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LSI LOGIC LEGAL IP → 917037464000

NO.516 P003

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Complete and send this form, together with applicable fee(s), to: **Mail****Mail Stop ISSUE FEE**
Commissioner for Patents
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CURRENT CORRESPONDENCE ADDRESS (Note: Legibly mark-up with any corrections or use Block 1)

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LSI LOGIC CORPORATION
1621 BARBER LANE
MS: D-106 LEGAL
MILPITAS, CA 95035

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Connie del Castillo

(Depositor's name)

Connie del Castillo

(Signature)

3/12/04

(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/024,054	12/17/2001	Barry Caldwell	01-716	5361

TITLE OF INVENTION: FLUTED SIGNAL PIN, CAP, MEMBRANE, AND STANCHION FOR A BALL GRID ARRAY

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1330	\$300	\$1630	05/24/2004

EXAMINER	ART UNIT	CLASS-SUBCLASS
HAMMOND, BRIGGITTE R	2833	439-074000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.563).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
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2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

Suiter West PC LLO

2

3

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. Inclusion of assignee data is only appropriate when an assignment has been previously submitted to the USPTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

LSI Logic Corporation

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Milpitas, CAPlease check the appropriate assignee category or categories (will not be printed on the patent); ☐ individual ☒ corporation or other private group entity ☐ government

4a. The following fee(s) are enclosed:

- ☐ Issue Fee
- ☐ Publication Fee
- ☐ Advance Order - # of Copies _____

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(Authorized Signature)

Sandeep Jaggi, Reg. No. 43,331

(Date)

3/12/04

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03/15/2004 MBERNE1 00000002 122252 10024054**01 FC:1501 1330.00 DA**
02 FC:1304 300.00 DA

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03/12/2004

10:33

LSI LOGIC LEGAL IP → 917037464000

NO.516 0002

PTO/SB/17

Approved for use through 9/30/2000. OMB 0651-0032

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Patent Fees are subject to annual revision on October 1.

These are the fees effective October 1, 1997.

Small Entity payments must be supported by a small entity statement, otherwise large entity fees must be paid. See Forms PTO/SB/09-12. See 37 C.F.R. 1.27 and 1.28.

TOTAL AMOUNT OF PAYMENT

1630 -
(\$)~~1200.00~~

Complete if Known

Application Number	10/024,054
Filing Date	December-17, 2001
First Named Inventor	Barry Caldwell
Group Art Unit	2833
Examiner Name	Brigitte R. Hammond
Attorney Docket No.	/01-716

METHOD OF PAYMENT (check one)

- 1.
- ☒
- The Commissioner is hereby authorized to charge indicated fees and credit any over payment to:

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12-2252

Deposit Account Number

LSI LOGIC CORPORATION



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Check



Money Order



Other

FEE CALCULATION

1. BASIC FILING FEE

Large Fee Code	Entity Fee (\$)	Large Fee Code	Entity Fee (\$)	Fee Description	Fee Paid
101	790	201	395	Utility filing fee	
106	330	206	165	Design filing fee	
107	540	207	270	Plant filing fee	
108	790	208	395	Reissue filing fee	
114	150	214	75	Provisional Filing fee	

SUBTOTAL (1) (\$)~~0.00~~

2. EXTRA CLAIM FEES

	Extra Claim	Fee from below	Fee Paid
Total claim	-20**=	X	=
Independent Claims	-3**=	X	=
Multiple Dependent			=

**or number previously paid, if greater; For Reissues, see below

Large Fee Code	Entity Fee (\$)	Large Fee Code	Entity Fee (\$)	Fee Description
103	22	203	11	Claims in excess of 20
102	82	202	41	Independent claims in excess of 3
104	270	204	135	Multiple dependent claim, if not paid
109	82	209	41	**Reissue independent claims over original patent
110	22	210	11	**Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$)~~0.00~~

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Fee Code	Entity Fee (\$)	Large Fee Code	Entity Fee (\$)	Fee Description	Fee Paid
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing request for reexamination	
112	920*	112	920	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	400	216	200	Extension for reply within second month	
117	950	217	475	Extension for reply within third month	
118	1510	218	755	Extension for reply within fourth month	
128	2,080	228	1,030	Extension for reply within fifth month	
119	310	219	155	Notice of Appeal	
120	310	220	155	Filing a brief in support of an appeal	
121	270	221	135	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,320	241	660	Petition to revive - unintentional	
142	1,320	242	660	Utility issue fee (or reissue)	1200
143	450	243	225	Design issue fee	
144	670	244	335	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Petitions related to provisional application	
126	240	126	240	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	790	246	395	Filing a submission after final rejection (37 CFR 1.129 (a))	
149	790	249	395	For each additional invention to be examined (37 CFR 1.129 (b))	
Other fee (specify)				Publication Fee	300
Other fee (specify)					

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$)~~1200.00~~

SUBMITTED BY

Typed or printed name

Sandeep Jaggi

Signature

Date

3/12/02

Complete (if applicable)

Reg. Number

43,331

Deposit Account User ID

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3/12/2004

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LSI LOGIC LEGAL IP → 917037464000

NO.516 0001

LSI Logic Corporation
Legal Department - IP
1621 Barber Lane, MS D-106
Milpitas, CA 95035

FAXDate March 12, 2004Number of pages including cover sheet 5To: US PTO, Mail Stop Issue FeeFrom: Connie del CastilloIntellectual Property ParalegalFax No. 703-746-4000Telephone No. (408) 433-7191

Phone No. _____

Fax No. (408) 433-7460

CC: _____

REMARKS:☐ Urgent ☒ For your review ☒ Reply ASAP ☐ Please comment

Application Number: 10/024,054
Filing date: December 17, 2001
First named inventor: Barry Caldwell
Attorney docket number: 01-716

Transmitted herewith for filing via facsimile:

- Fee Transmittal, PTO/SB/17 (in duplicate)
- Part B - Fee(s) Transmittal PTOL-85 (in duplicate)

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3/12/04Connie del Castillo

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